

| POSITION                  | INITIALS | ID NO. | DATE     |
|---------------------------|----------|--------|----------|
|                           | 17       |        |          |
| FEE DETERMINATION         | M        |        | 81100    |
| O.I.P.E. CLASSIFIER       | V        |        | ·        |
| FORMALITY REVIEW          | GS       | SUH    | 69/06/00 |
| RESPONSE FORMALITY REVIEW |          |        |          |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| · | Restricted                 | 0 | Objected     |

|           |                  |  |          |          |          | ÷        | •••      |          |              | • • • • • |          |   | ••••     | Hest     | 1101     | u        |              |          |          | U        |          |              |          |              |   |          |
|-----------|------------------|--|----------|----------|----------|----------|----------|----------|--------------|-----------|----------|---|----------|----------|----------|----------|--------------|----------|----------|----------|----------|--------------|----------|--------------|---|----------|
| Clai      | m                |  |          |          |          | Dat      | <u>е</u> |          |              |           |          |   | CI       | aim      |          |          |              |          | Dat      | е        |          |              |          |              |   | Cla      |
| Final     | Original         | 11/14/03   | yorky    | , ,      |          |          |          |          |              |           |          |   | Final    | Original |          |          |              |          |          |          |          |              |          |              |   | Final    |
| Ī         | Ĩ                | Ż  | 7        | _        |          |          |          |          |              |           |          |   |          | 51       |          |          |              |          |          |          |          |              |          |              |   |          |
|           | 100              | 7  |          |          |          |          |          |          |              |           |          |   | _        | 52       |          |          |              | $\Box$   | _        |          |          | _            | _        | _            |   | -        |
| -         | 3                | 1  |          |          |          | _        | _        |          | _            | Н         |          |   | H        | 53<br>54 | -        |          | Н            | -        |          |          |          |              | -        | $\dashv$     |   | -        |
| $\vdash$  | 4                | 7:   |          |          |          |          |          |          |              |           | _        |   | H        | 55       |          | _        |              |          |          |          | _        |              |          |              |   | H        |
| $\vdash$  |                  | 7  |          |          | _        |          |          |          |              |           |          |   | Г        | 56       |          |          |              |          |          |          |          |              |          |              |   |          |
|           | 7                | V  |          |          |          |          |          |          |              |           |          |   |          | 57       |          |          |              |          |          |          |          |              |          |              |   | _        |
|           | В                | 1  |          |          |          |          |          |          |              |           |          |   | L        | 58       |          |          |              |          | _        |          |          | _            |          |              |   |          |
| 4         | 9 (19            | 1  |          | _        | H        |          |          | _        |              | <u> </u>  |          |   | -        | 59<br>60 |          |          |              | _        |          |          | _        | _            | Н        |              |   | $\vdash$ |
|           | ¥                | 7  | Н        | _        | -        |          | H        | _        | _            |           | _        |   | -        | 61       | $\dashv$ | _        |              | -        |          |          |          | $\vdash$     | Н        | _            |   | $\vdash$ |
|           | 2                |  | 1        | Н        | $\vdash$ |          | Н        | <u> </u> |              |           |          |   |          | 62       |          |          |              |          |          | -        |          |              |          | _            |   | $\vdash$ |
|           | 13               |  | Ť        |          |          |          |          |          |              |           |          |   |          | 63       |          |          |              |          |          |          |          |              |          |              |   |          |
|           | 14               |  |          |          |          |          |          |          |              |           |          |   |          | 64       |          |          |              |          |          |          |          |              |          |              |   | L        |
|           | 15               |  | Ц        | _        |          |          | L        |          | _            |           |          |   | L        | 65       |          |          |              | Ш        |          | -        |          | <u> </u>     |          |              |   | _        |
|           | 16<br>17         |  | 7        |          |          |          | `        |          |              | -         |          |   | ┝        | 66       |          |          |              | _        |          |          | - 1      |              | H        | _            |   | $\vdash$ |
| _         | 18               |  | ~        |          | -        |          |          |          | -            | $\vdash$  | _        |   | $\vdash$ | 68       |          |          |              |          | _        |          | _        |              | -        |              |   | $\vdash$ |
|           | 19               | H  |          |          |          |          | $\vdash$ |          |              |           |          |   | Г        | 69       |          |          |              |          | _        |          |          |              |          |              |   | $\vdash$ |
| _         | _                |  |          |          |          |          |          |          | _            |           |          |   | Г        | 70       |          |          |              |          |          | Т        |          | Г            |          |              |   |          |
|           | 2 <b>5</b><br>21 | _  |          |          |          | _        | _        |          |              |           |          |   |          | 71       |          | _        |              |          |          |          |          |              |          |              |   |          |
| ÷.        | 22               |  |          |          |          |          |          |          |              |           |          |   |          | 72       |          |          |              |          |          |          |          |              |          |              |   |          |
|           | 23               |  |          | L        |          |          | <u>.</u> |          |              | <u>_</u>  | <u>.</u> |   | ┺        | . 73     |          |          | _            |          |          | _        | _        | ļ.,          | _        | _            |   | -        |
|           | 24               |  |          | -        | _`-      | <br>     | ,<br>2   | -        |              | -         | -        |   | -        | 74       | -        |          |              |          | -        | -        | -        | -            | -        | -            | - | ,—       |
|           | 25<br>26         |  |          | · ·      | -        |          | -        |          | -            | -         | -        |   | -        | 76       | -        | _        | -            | -        |          | -        | -        | -            | -        | H            |   | $\vdash$ |
| ightarrow | 27               | -  | $\vdash$ |          | H        | -        |          | -        |              |           |          |   | -        | 77       | -        |          | -            | -        | -        | ┢        | -        | H            | Ι-       | -            |   | $\vdash$ |
|           | 28               | <del>                                     </del> |          |          | T        |          |          |          | _            |           |          | 1 | r        | 78       |          |          |              |          |          |          |          |              |          |              |   |          |
|           | 29               |  |          |          |          |          |          |          |              |           | 1        | ] |          | 79       |          |          |              |          |          | L.       |          |              | Ļ        |              |   |          |
| Ш         | 30               | L  | L        |          |          | Ŀ        | Ŀ        |          | -:           | -         |          |   | L        | 80       |          | _        | ļ.,          | _        | Ļ.       | <u> </u> | _        | L            | <u> </u> | _            | - | -        |
| $\vdash$  | 31<br>32         | 7  | _        | _        | -        | ļ        | -        | -        | -            | H         | -        | - | -        | 81<br>82 | $\vdash$ | -        | -            | -        |          | -        | -        | <u> </u>     | -        | <u> </u>     | 1 | $\vdash$ |
| $\vdash$  |                  |  |          | H        | -        | -        | -        | ├        | -            | -         | $\vdash$ | 1 | $\vdash$ | 83       | ├        | -        | <del> </del> | ┢╌       | -        | ╁╴       |          | <del> </del> | ┢        | <del> </del> | 1 | $\vdash$ |
| $\vdash$  | 39<br>34         | -  | -        | $\vdash$ | ╁        | H        | ╁        | ┝        | -            | ╁         | -        | 1 | $\vdash$ | 84       | -        | ╁╴       | $\vdash$     | $\vdash$ |          | -        | ┢        | $\vdash$     | -        | $\vdash$     | i | $\vdash$ |
|           | 35               | -  | -        |          |          |          | T        |          | ┢            | -         |          | 1 |          | 85       | T        |          | -            |          |          | ١.       |          | $\top$       |          |              |   |          |
|           | 36               |  |          |          |          |          |          |          |              |           |          | ] |          | 86       |          |          |              |          |          |          |          | L            | oxdot    |              |   |          |
| Ш         | 37               | 1_   | _        | ļ        | ļ        | L        |          | _        | <u> </u>     | L         | L        |   | L        | 87       | _        | <u> </u> | ļ            | _        | L        | ↓_       | _        | _            | 1        | -            |   | $\vdash$ |
| $\vdash$  | 38               | <b> </b>   | L        | <u> </u> | <u> </u> | ļ        | _        | ļ        | ┡            | ┡         | $\perp$  | - | $\vdash$ | 88       | -        | -        | ┼            | 1        | ⊢        | ╀        | -        | ╁            | ╀        | ╀            | 1 | -        |
| -         | 39<br>40         | -  | -        | ├        | -        | -        | ╀        | $\vdash$ | $\vdash$     | +         | +        | - | $\vdash$ | 90       | -        | $\vdash$ | ╁            | +        | +        | +        | +-       | $\vdash$     | +        | ╁┈           | 1 | $\vdash$ |
|           | 41               | -  | ├        | ├-       | ├-       | -        | ├-       | ╁╌       | ╁            | $\vdash$  | ╀        | ┨ | $\vdash$ | 91       |          | ╁        | +            | ╁╴       | ┢        | +        | ┼        | +            | +        | ╁            | 1 | $\vdash$ |
|           | 42               | $\vdash$   | ├        | $\vdash$ | +        | $\vdash$ | $\vdash$ | +        | <del> </del> | $\vdash$  | ╁        | 1 | $\vdash$ | 92       |          | ╁╌       | t            | +        | +-       | t        | t        | +-           | +        | ╁            | 1 | -        |
| H         | 43               | 1-   | 1        | 1        | $t^-$    | 1        | +-       | $\vdash$ | T            | 1         |          |   |          | 93       | +        | 1        | $\vdash$     | $\vdash$ | T        | T        |          |              | 1        |              | ] |          |
|           | 44               |  |          |          |          |          |          |          | L            | T         | Ī        | ] |          | 94       |          |          | I            |          |          |          |          |              |          |              |   |          |
|           | 45               | +-   |          |          | $\Box$   |          | L        |          |              |           |          | ] |          | 95       | +-       |          | $\prod$      |          |          | L        | L        | 1            | $\perp$  | L            | 4 | L        |
| Ц         | 46               | _  | _        | _        | ↓_       | _        | $\perp$  | 1        | ↓_           | 1         | 1        | 1 | -        | 96       |          | +        | 1-           | +        | $\vdash$ | +        | -        | +            | +        | +            | - | -        |
| Н         | 47<br>48         |  | ₽        | ┼        | $\vdash$ |          | -        | ╄-       | $\vdash$     | ╀         | $\vdash$ | - | $\vdash$ | 97       | -        | +-       | +            | +        | $\vdash$ | +        | $\vdash$ | +            | +        | +            | + | -        |
| $\vdash$  | 48               |  | $\vdash$ | ┼-       | -        | ╁        | +        | +        | ╁            | +         | +        | + | $\vdash$ | 99       |          | +        | ╁            | +-       | +-       | +        | +        | +            | +        | +            | 1 | -        |
| H         | 50               | 1  | †-       | +        | +        | +        | +        | +        | +            | +         | +        | 1 | $\vdash$ | 10       |          | +        | +-           | +        | $\perp$  | $\perp$  | $\perp$  | 1            | 士        |              | ۲ | L        |
|           |                  |  |          | _        | +-       | _        | -        |          |              |           |          | _ |          |          |          |          | •            |          |          |          |          |              |          |              | - | _        |

| Cla      | im      |              |   |          |              | Dat        | е          |          |          |              |              |
|----------|---------|--------------|---|----------|--------------|------------|------------|----------|----------|--------------|--------------|
|          | Γ.      |              | 1                                       |          |              |            |            | T        | 7        |              | _            |
| =        | riginal |              |   |          |              |            | į          |          |          | Ì            |              |
| Final    | Orig    |              |   |          |              |            |            | - 1      |          |              |              |
| 44       | _       | Н            | H                                       |          | Н            | $\dashv$   |            | -        | -        | -            |              |
|          | 101     | Ш            | Ш                                       |          |              |            | _          | _        |          | _            |              |
|          | 102     |              |   | L.       |              |            |            |          |          |              |              |
|          | 103     |              |   |          |              |            |            |          |          |              |              |
|          | 104     |              |   |          |              |            |            | 一        | $\neg$   | $\neg$       |              |
|          | 105     |              |   |          |              |            | $\neg$     |          | _        | $\neg$       |              |
|          | 106     | -            | -                                       |          | -            |            | $\dashv$   |          |          | $\dashv$     |              |
| -        | 107     | -            |   | -        |              |            |            | $\dashv$ | $\dashv$ | $\dashv$     |              |
|          |         | <u> </u>     |   | _        | _            |            |            | $\dashv$ | $\dashv$ | -            |              |
|          | 108     |              | <u> </u>                                |          | <u> </u>     | _          |            |          |          | _            |              |
|          | 109     | _            |   | <u> </u> |              |            | _          |          | _        | _            |              |
|          | 110     |              |   |          |              |            |            |          |          |              |              |
|          | 111     |              |   |          |              |            |            |          |          |              |              |
|          | 112     |              |   |          |              |            |            |          |          | $\neg$       |              |
|          | 113     |              |   |          | $\vdash$     |            |            |          | $\neg$   | ╗            | _            |
| -        | 114     | -            | Н                                       | $\vdash$ |              |            | $\vdash$   | $\vdash$ | $\neg$   | $\dashv$     |              |
|          | 115     |              | $\vdash$                                | $\vdash$ | -            |            | $\vdash$   | $\dashv$ | -        | $\dashv$     | _            |
| _        |         |              | ├                                       | $\vdash$ | -            | -          | -          | $\vdash$ | $\dashv$ | $\dashv$     |              |
|          | 116     |              | <u> </u>                                | <u> </u> | -            | ļ          | <u></u>    |          | _        | $\dashv$     |              |
|          | 117     |              | ļ                                       | _        | <u> </u>     | ļ          | L          | Ш        | Ш        | _            |              |
|          | 118     | Ĺ            |   | <u> </u> |              |            |            |          |          |              |              |
|          | 119     |              | Ī                                       |          | Γ            |            |            |          |          |              |              |
| _        | 120     |              |   | $\vdash$ |              |            |            |          |          |              |              |
|          |         |              | <del> </del>                            | -        | ⊢            |            | -          | -        | H        | H            | -            |
|          | 121     |              | -                                       | ⊢        |              |            | -          | -        |          |              |              |
|          | 122     |              | ļ                                       | ┖        | <u> </u>     |            |            | _        | _        |              | _            |
|          | 123     |              | L                                       |          | L            | L          | 1          | L        | L        |              |              |
|          | 124     | 4            |   | ĺ        |              | 1          | <u>i</u> : |          | -        |              | L            |
|          | 125     |              |   | 1        |              | Γ          |            |          | -        | -            | Γ            |
|          | 126     | <del>-</del> | Г                                       |          |              | $\vdash$   |            |          |          | _            |              |
|          | 127     | -            | H                                       | †        | -            | Ť          |            | -        |          | -            |              |
|          | 128     |              | <del> </del> —                          | ╁        | +-           | $\vdash$   | ╁          | -        |          | -            | -            |
| -        |         |              | ⊢                                       | ╁        | <del> </del> | ₩          | ├-         | ├        | ├        | <del> </del> | ╁            |
| _        | 129     |              | -                                       | ⊢        | ╀            | ╄          | ├          | ļ.       | -        | <u> </u>     | L            |
|          | 130     |              | 1_                                      | _        | ↓_           | <b>!</b> _ | ┡          | <u> </u> | <u> </u> | _            | L            |
|          | 13      | ١            | L                                       |          |              | <u> </u>   |            | l_       | <u> </u> | _            | L            |
|          | 132     | 2            |   | 1        |              | l _        |            | _        | i        |              |              |
| Γ        | 133     |              |   |          | Γ            |            |            | Γ_       | Γ        | Γ            |              |
| $\vdash$ | 13      |              | 1                                       | 1        | 1            | T          | T          | $I^-$    | Γ        | Г            | I            |
|          | 13      |              | 1-                                      | $\vdash$ | +-           | +          | +-         | +-       | $t^{-}$  | t-           | <del> </del> |
| $\vdash$ | 13      |              | ╁                                       | +        | +            | +          | +-         | +-       | +-       | $\vdash$     | t            |
| -        |         |              | ╀                                       | ╀        | ╀            | +          | +          | -        | +        | $\vdash$     | ╁            |
| $\vdash$ | 13      |              | ـــــــــــــــــــــــــــــــــــــــ | +-       | 1            | +-         | ╄          | -        | +-       | ┼-           | ⊢            |
|          | 138     |              | _                                       | 1        | $\perp$      | 1          | 1          | <u> </u> | 1_       | 1-           | -            |
| L        | 139     |              | $\perp$                                 | Ĺ        | $\perp$      |            | 1_         | _        | <u> </u> | 1_           | Ļ            |
| Г        | 140     | 0            | Т                                       | T        | Γ            | ĺ          | 1          | 1        |          |              | 1            |
| Н        | 14      |              | $\top$                                  | +-       | 十一           | 1          | $\top$     | †        | 1        | 1            | T            |
| -        | 14      |              | +                                       | ╁╌       | +-           | +-         | +-         | +-       | ╁╴       | +-           | t            |
| -        |         |              | +                                       | +        | +-           | +-         | +-         | ╁        | +        | $\vdash$     | +            |
| L        | 14      |              | 1_                                      | $\bot$   | $\perp$      | ╄-         | +          | +        | -        | 1            | +            |
| L        | 14      |              | L                                       | $\perp$  | $\perp$      | 丄          | <u> </u>   | ↓_       | $\perp$  | $\perp$      | 1            |
| Γ        | 14      | 5            |   | Γ        |              |            | L          |          |          |              | L            |
| Γ        | 14      | 6            | Т                                       | Τ        | T            |            | T          | Г        |          |              |              |
| $\vdash$ | 14      | _            | 1                                       | +        | 1-           | 1-         | 1          | $\top$   | 1        | T            | T            |
| $\vdash$ | 14      |              | +                                       | +        | +-           | +          | +          | +        | +        | +            | +            |
|          |         |              | +                                       | +        | +            | +          | +          | 十        | +        | +-           | +            |
| -        | 14      |              | +                                       | +-       | +-           | +          | +-         | +        | +-       | +            | +-           |
| L.       | 15      | ч            |   | _        |              | ᆜ          | <u>i</u>   |          | Ц.       |              |              |
|          |         |              |   |          |              |            |            |          |          |              |              |

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